

**RAW SEQUENCE LISTING**

EFJ

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/554,308B  
Source: IFWO.  
Date Processed by STIC: 2/2/07

***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/554,308B

CRF Edit Date: 2/2/07  
Edited by: AC

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

✓  
\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓  
\_\_\_ Other:

corrected opening bracket in <1517 numeric identifier

\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

DATE: 02/02/2007

PATENT APPLICATION: US/10/554,308B

TIME: 16:06:54

Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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3 <110> APPLICANT: Takaiwa, Fumio
4     Takagi, Hidenori
6 <120> TITLE OF INVENTION: METHOD OF ACCUMULATING ALLERGEN-SPECIFIC T-CELL ANTIGEN
DETERMINANT IN
7     PLANT AND PLANT HAVING THE ANTIGEN DETERMINANT ACCUMULATED THEREIN
9 <130> FILE REFERENCE: 201487/1160
11 <140> CURRENT APPLICATION NUMBER: US 10/554,308B
12 <141> CURRENT FILING DATE: 2005-10-21
14 <150> PRIOR APPLICATION NUMBER: JP 2003-120639
15 <151> PRIOR FILING DATE: 2003-04-24
17 <150> PRIOR APPLICATION NUMBER: PCT/JP04/005938
18 <151> PRIOR FILING DATE: 2004-04-23
20 <160> NUMBER OF SEQ ID NOS: 10
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25 <211> LENGTH: 96
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
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34             20             25             30
36 Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser
37             35             40             45
39 Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro
40             50             55             60
42 Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe
43  65             70             75             80
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50 <211> LENGTH: 192
51 <212> TYPE: PRT
52 <213> ORGANISM: Homo sapiens
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59             20             25             30
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63             35             40             45
65 Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro
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Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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71 Asn Val Glu Gln Phe Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg
72              85              90              95
74 Gly Ile Ile Ala Ala Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys
75              100              105              110
77 Val Thr Val Ala Phe Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys
78              115              120              125
80 Asn Phe His Leu Gln Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser
81              130              135              140
83 Cys Leu Asn Tyr Gly Leu Val His Val Ala Asn Asn Tyr Asp Pro
84 145              150              155              160
86 Ser Gly Lys Tyr Glu Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe
87              165              170              175
89 Asn Val Glu Gln Phe Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg
90              180              185              190

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93 &lt;210&gt; SEQ ID NO: 3

94 &lt;211&gt; LENGTH: 24

95 &lt;212&gt; TYPE: PRT

96 &lt;213&gt; ORGANISM: Oryza sativaL. cv Manngetsumochi

98 &lt;400&gt; SEQUENCE: 3

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102 Leu Leu Cys His Gly Ser Met Ala

103 20

106 &lt;210&gt; SEQ ID NO: 4

107 &lt;211&gt; LENGTH: 24

108 &lt;212&gt; TYPE: PRT

109 &lt;213&gt; ORGANISM: Oryza sativaL. cv Manngetsumochi

111 &lt;400&gt; SEQUENCE: 4

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115 Leu Leu Cys Asp Gly Ser Leu Ala

116 20

119 &lt;210&gt; SEQ ID NO: 5

120 &lt;211&gt; LENGTH: 23

121 &lt;212&gt; TYPE: PRT

122 &lt;213&gt; ORGANISM: Oryza sativaL. cv Manngetsumochi

124 &lt;400&gt; SEQUENCE: 5

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129 20

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134 &lt;212&gt; TYPE: DNA

135 &lt;213&gt; ORGANISM: Artificial Sequence

137 &lt;220&gt; FEATURE:

138 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificially constructed DNA sequence

## RAW SEQUENCE LISTING

DATE: 02/02/2007

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TIME: 16:06:54

Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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141 <221> NAME/KEY: CDS
142 <222> LOCATION: (2333)..(2713)
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149 aaagaaggta cactttacct acacaacgcc actaacctga gttacccagc ccatgcaaaa 180
151 tagccacgtc ttgtgactta agggatttcg cgacaaggca tttcgaaagc ccacacaagg 240
153 acaccttatg aaaactggag ggggtcccaca gaccaacaac aagttagggtc ccaaaccatg 300
155 ttgtgccagg aaaaatccaa ggggtcctcc ccaacaccac cccgacaaat ccacttgtcc 360
157 attggcatca agatttgctt gacctagcta attactcagc caggcatgtc acaattcacc 420
159 catgtggtca cacatgttat ggttgatga aattctaaag gaatcggtcc atatgagcaa 480
161 gaccgagaaa ccataccacc agtacttcta ccgaaatacg agtttagtaa actcatttgt 540
163 tttcaaggca cccgacccag gtgtgtcggg ttttccaggg attttgtaaa cccaagtttt 600
165 acccatagtt gatcattcaa attttgagga gggtcattgg tatccgtacc tgagggcagc 660
167 aatactgaga cctagcattg tagtcgacca aggaggttaa tgcagcaatt gtagggtggg 720
169 cctgttggtt atattgcaaa ctgcggccaa catttcatgt gtaatttaga gatgtgcatt 780
171 ttgagaaatg aaatacttag tttcaaatta tgggctcaaa ataataaaag gtgacctacc 840
173 ttgcttgata tcttgagctt ctctctcgta ttccgcgcac taggactctt ctggctccga 900
175 agctacacgt ggaacgagat aactcaacaa aacgaccaag gaaaagctcg tattagttag 960
177 tactaagtgt gccactgaat agatctcgat ttttgaggaa ttttagaagt tgaacagagt 1020
179 caatcgaaca gacagttgaa gagatatgga ttttctaaga ttaattgatt ctctgtataa 1080
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189 caaacacgat tcacatagag cgggcagacg cgggagccgt cctaggtgca ccggaagcaa 1380
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193 gtcagatgtg taaaattatc ataatatgtg tttttcaaat agttaaataa tatatatagg 1500
195 caagttatat gggtcataaa gcagtaaaaa ggcttatgac atggtaaaat tacttacacc 1560
197 aatatgcctt actgtctgat atattttaca tgacaacaaa gttacaagta cgtcatttaa 1620
199 aaatacaagt tacttatcaa ttgtagtgtg tcaagtaaat gacaacaaac ctacaaattt 1680
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203 agaaggctta tgacatggaa aaattacata caccaatatg ctttattgtc cggtatattt 1800
205 tacaagacaa caaagttata agtatgtcat taaaaatac aagttactta tcaattgtca 1860
207 agtaaatgaa aacaaaccta caaatttggt attttgaagg aacacctaaa ttatcaaata 1920
209 tagcttgcta cgcaaaatga caacatgctt acaagttatt atcatcttaa agttagactc 1980
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223 agt tcc ggt ttc tct cgg ttt tct ata tac ttt tgt gtt ctt cta tta 2386
225 tgc cac ggt tct atg gcc cag ccc atg ggc atc atc gca gct tac caa 2434
227 aat cca gca agc tgg aag agt atg aag gtt aca gtt gca ttc aac caa 2482
229 ttc ggt cct gat atc ttt gct agc aag aat ttc cac ctc cag aaa aat 2530
231 aag ctc aca agt ggc aag att gca agc tgc ttg aac tat gga ttg gtt 2578
233 cat gta gct aac aat aac tat gat cca agc ggt aag tat gag ggt ggc 2626

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Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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235 aac atc tac act aag aag gaa gca ttc aac gta gag caa ttt gca aag 2674
237 ctc aca ggc ttc act ctc atg gga cgc aag gac gag ttg aagagctctg 2723
239 taattgagaa ctagtatcgg cgtagagtaa aataaaacac cacaagtatg acacttggtg 2783
241 gtgattctgt tcgatatcag tactaaataa aggttacaaa cttcttaatt ttcctacttc 2843
243 atgccatgga tattccatta tggactatag tggacagggc cggctctatga ttttgagggc 2903
245 cctaggaact catcgcgatg ggcctcaagc tatatataaa atttattgat atatatagac 2963
247 gctaatttta cttgcaaaat gaaaacaaat acatctatat attaaattta acattcctgg 3023
249 taattatcaa gaaataaaat cgaccaaatt aacaatatat ttgtaacttg gaactaatat 3083
251 aattatttat taacttaatg aagaatagaa ccccgtcata tccattgctt cctatgaaaa 3143
253 gatacttctt cgggtatttc ttgatgcaaa atcataaaga acggtattaa gatcaatagt 3203
255 gtccaagata tccttctcga ttgagcacat agccaagcca tttaacctta tttgcgacag 3263
257 ttgatctcaa atagtttttc aacaacttca attttgataa acttatttca gctgaagcta 3323
259 ccatcatagg taaagttaag agaattc 3350
262 <210> SEQ ID NO: 7
263 <211> LENGTH: 127
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Description of Artificial Sequence: Putative amino acid
sequence coded by
269     artificially constructed DNA sequence
271 <400> SEQUENCE: 7
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275 Leu Leu Cys His Gly Ser Met Ala Gln Pro Met Gly Ile Ile Ala Ala
276             20             25             30
278 Tyr Gln Asn Pro Ala Ser Trp Lys Ser Met Lys Val Thr Val Ala Phe
279             35             40             45
281 Asn Gln Phe Gly Pro Asp Ile Phe Ala Ser Lys Asn Phe His Leu Gln
282             50             55             60
284 Lys Asn Lys Leu Thr Ser Gly Lys Ile Ala Ser Cys Leu Asn Tyr Gly
285             65             70             75             80
287 Leu Val His Val Ala Asn Asn Asn Tyr Asp Pro Ser Gly Lys Tyr Glu
288             85             90             95
290 Gly Gly Asn Ile Tyr Thr Lys Lys Glu Ala Phe Asn Val Glu Gln Phe
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293 Ala Lys Leu Thr Gly Phe Thr Leu Met Gly Arg Lys Asp Glu Leu
294             115            120            125
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298 <211> LENGTH: 1474
299 <212> TYPE: DNA
300 <213> ORGANISM: Oryza sativa
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305 ttccagctag tactggtgac caacgtcgcg gcggcagggt caatcaagtc catggagggt 120
307 atgggttcca acacagcgga ttggatgccg atggcacgta actggggcgc ccaatggcac 180
309 tcaactggcct acctcaccgg tcaaggtcta tcctttaggg tcaccaacac agatgaccaa 240
311 acgctcgtct tcaccaacgt cgtgccacca ggatggaagt ttggccagac atttgcaagc 300
313 aagctgcagt tcaagtgaga ggagaagcct gaattgatac cggagcggtt cttttgggag 360
315 taacatctct ggttgccatg caaacatatg attgtatata agtttcggtt tgcgtttatt 420

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## RAW SEQUENCE LISTING

DATE: 02/02/2007

PATENT APPLICATION: US/10/554,308B

TIME: 16:06:54

Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

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319 cacacgacaa atccttccat ttctattatt attgaacaat ttaattgca gggcgagtac 540
321 ttgtctgttt accttttttt ttccagatgg cattttatag tttaaccttt catggaccgg 600
323 cagtagttct aacctgaat gaaaagaaat catagtccac accacgcagg gacattgtgg 660
325 tcattttaga caagacgatt tgattaatgt cttgtatgat atggtcgaca gtgaggacta 720
327 acaaacatat ggcataatttt attaccggcg agttaaataa atttatgtca cagtaataaa 780
329 ctgcctaata aatgcacgcc agaaaatata atgataaaaa aaagaaaaga tacataagtc 840
331 cattgcttct acttttttaa aaattaaatc caacattttc tttttttgg tataaacttg 900
333 gaagtactag ttggatatgc aaaatcatct aacctccata ttttcatca atttgtttac 960
335 ttacatatg ggagaggata gtatgtcaaa gaaaatgaca acaagcttac aagtttctta 1020
337 ttttaaaagt tccgctaact tatcaagcat agtgtgccac gcaaaactga caacaaacca 1080
339 acaaatttaa ggagcgccta acttatcatc tatgacatac cgcacaaaat gataacatac 1140
341 tagagaaact ttattgcaca aaaggaaatt tatccataag gcaaaggaaac atcttaaggc 1200
343 tttggatata catttaccac caagcattgt ttgtattacc cctaaagcgc aagacatgtc 1260
345 atccatgagt catagtgtgt atatctcaac attgcaaagc tacctttttt ctattatact 1320
347 tttcgcatta taggctagat attatctata catgtcaaca aactctatcc ctacgtcata 1380
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355 <211> LENGTH: 824
356 <212> TYPE: DNA
357 <213> ORGANISM: Oryza sativa
359 <400> SEQUENCE: 9
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364 cttcctcggt tctctttatt tgtaagataa agaactagat atgtggaaag taggatagca 180
366 aagagtatgg ccaaactcta atctttgctt tttttttgg gatggacca aaatttggtt 240
368 ctcttttact tctttccctt tacaacaatg ttctttactt ccaattctta ttaacaaaac 300
370 tccaaatata tgccaaactg catatgtatg tatgctatta aggcacattt acaaagctcc 360
372 aagtttacct actcaatcat tcacatatgg cgatgactca aactcttaat tggtatctgg 420
374 taagctgtga cttgtgtaac acattctaca agtcccatac gaattctgtt cacaaaagtt 480
376 tctttgtcca gtcataatt tacaaaactg caaaatgcc aagcaatctg gcacaacctt 540
378 atcatcatat tttctttcca cgcattaaag cactggcaga attatctttg tgtagatatt 600
380 ccaaaagtat tgggtgaata aatgtccaaa taaattccat gcctcatgat ttccagctta 660
382 tgtggcctcc actaggtggg tttgcaaagg ccaaactctt tcctggctta cacagctacc 720
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399 tgaaattttc caattatccc tgcataagtc aggctacaat agcacctgga ctacatgcag 180
401 ggattacaaa ataggtggta accacattta ccgcgttaac cctatcaaat tcaaataaat 240
403 tttaaaagta atttgatttt ttaataaat tttgtatggg ttctcaagct ttattttggg 300
405 taccgtgctt actgcgaggg caatgggaaa ccctcactag aagttgcacc tgttcttgct 360
407 tgtgcaccat atcatgttga atcatgtgcg ttgtgtcttt cggagaagacc gatttactac 420

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 02/02/2007  
PATENT APPLICATION:    US/10/554,308B      TIME: 16:06:55

Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt  
Output Set: N:\CRF4\02022007\J554308B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:6; Line(s) 138

Seq#:7; Line(s) 268



**VERIFICATION SUMMARY**

DATE: 02/02/2007

PATENT APPLICATION: US/10/554,308B

TIME: 16:06:55

Input Set : N:\efs\01\_31\_07\10554308B\_efs\PTO.AMC.txt

Output Set: N:\CRF4\02022007\J554308B.raw

**Raw Sequence Listing before editing  
(for reference only)**



IFWO

## RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/554,308B

TIME: 08:09:06

Input Set : N:\SSLM\10554308B.txt

Output Set: N:\CRF4\02012007\J554308B.raw

3 <110> APPLICANT: Takaiwa, Fumio  
 4 Takagi, Hidenori  
 6 <120> TITLE OF INVENTION: METHOD OF ACCUMULATING ALLERGEN-SPECIFIC T-CELL ANTIGEN DETERMINANT IN  
 7 PLANT AND PLANT HAVING THE ANTIGEN DETERMINANT ACCUMULATED THEREIN  
 9 <130> FILE REFERENCE: 201487/1160  
 11 <140> CURRENT APPLICATION NUMBER: US 10/554,308B  
 12 <141> CURRENT FILING DATE: 2005-10-21  
 14 <150> PRIOR APPLICATION NUMBER: JP 2003-120639  
 15 <151> PRIOR FILING DATE: 2003-04-24  
 17 <150> PRIOR APPLICATION NUMBER: PCT/JP04/005938  
 W--> 18 <151> PRIOR FILING DATE: 151 2004-04-23  
 20 <160> NUMBER OF SEQ ID NOS: 10  
 22 <170> SOFTWARE: PatentIn Ver. 2.0

*insert opening  
bracket*

*Does Not Comply  
Corrected Diskette Needed*

## ERRORED SEQUENCES

389 <210> SEQ ID NO: 10  
 390 <211> LENGTH: 931  
 391 <212> TYPE: DNA  
 392 <213> ORGANISM: Oryza sativa  
 394 <400> SEQUENCE: 10  
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 411 aaattaaatt tttattttgc gtcacgttgt atctagttaa aactaccta cctaccatta 540  
 413 caaaacctca ttccacaaaa cgatgcactt agataaaaaa tatgacatgt aaagttagta 600  
 415 atgactcatg tttattatca aaaatcgata acaatcaaatt gatataggta gtaaagtacc 660  
 417 tttgaaatgg catgtccaag tatgtgtagc tccacctagc acaatatccc aagtgatcat 720  
 419 cataaaaggc atacaaatac aagcagccga tgatgcacac aagaacaac acaaattgca 780  
 421 caaaaccaa agcaaccgat gccttgagca tagagatcat gctattccca ctataaatac 840  
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/554,308B

DATE: 02/01/2007  
TIME: 08:09:07

Input Set : N:\SSLM\10554308B.txt  
Output Set: N:\CRF4\02012007\J554308B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:6; Line(s) 138

Seq#:7; Line(s) 268

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/554,308B

DATE: 02/01/2007

TIME: 08:09:07

Input Set : N:\SSLM\10554308B.txt

Output Set: N:\CRF4\02012007\J554308B.raw

L:18 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD

L:433 M:254 E: No. of Bases conflict, this line has no nucleotides.